

TOP SECRET

25X1

OAT
51647**TOP SECRET** 091938Z

1965 AUG 9 20 01Z

12 AUG 1963

25X1

HFS

CJS

CFC

PMS

ACL

25X1

Grace (File)

SUBJECT: APPARENT DIFFERENCE IN SCALE BETWEEN THE FORWARD AND AFT CAMERAS USED IN MISSION 9056.

1. VISUAL INSPECTION OF THE FILM OF MISSION 9056 SHOWS A DIFFERENCE IN BOTH FORMAT WIDTH AND FILM DISTANCE OF COMMON IMAGERY ALTHOUGH THEY DO NOT NECESSARILY OCCUR AT THE SAME TIME OR AT THE SAME MAGNITUDE. THIS SUGGESTS NOT ONE BUT TWO POSSIBLE AREAS TO BE INVESTIGATED.

Declassification Review by
NGA/DoD

2. THE IRREGULARITY IN THE WIDTH OF THE FORMATS OF THE FORWARD AND AFT CAMERAS WAS CAUSED BY THE DIFFERENCE IN THE SETTING OF THE FILM IN THE RAILS OF THE RESPECTIVE CAMERAS. THIS WAS DONE IN ORDER TO PROVIDE CLEAR FREQUENCY MARKS ON THE FILM.

3. THE SECOND PROBLEM THAT OF THE APPARENT SCALE DIFFERENCE IS STILL AN UNKNOWN. THE FIRST PARAMETER INVESTIGATED IN THIS PROBLEM WAS THE PITCH OF THE VEHICLE WHICH AT FIRST GLANCE SEEMED TO BE THE ONLY LOGICAL ANSWER. FOR THIS INVESTIGATION PASS D09 WAS CHOSEN BECAUSE THE PITCH RECORD FOR THE PASS, AS DETERMINED

25X1

TOP SECRETGROUP 1
Excluded from automatic
downgrading and
declassification 25X1

BY ANALYTICAL REDUCTION OF THE HORIZON PHOTOGRAPHS, INDICATED A MAXIMUM OF 1 DEGREE 4 MINUTES PITCH IN THE POSITIVE DIRECTION (NOSE UP). IF THE DEGREE OF PITCH WAS THE CAUSE FOR THE ERROR WE SHOULD NOT EXPERIENCE ANY ERROR ON THIS PASS. THIS WAS NOT THE CASE. THREE AIRFIELDS WERE MEASURED AND THE RELATIVE ERROR RAN FROM APPROXIMATELY 5 PERCENT TO 20 PERCENT.

4. THE FILM HAS BEEN GIVEN A CURSORY EXAMINATION BY INDIVIDUALS OF THE MANUFACTURERS AND THE NPIC OPERATIONAL PERSONNEL. THEY DO NOT HAVE A CONCLUSION TO THIS DATE BUT ARE STILL LOOKING INTO THE PROBLEM AND ARE WAITING FOR ADDITIONAL INFORMATION (I. E. STELLAR REDUCTION).

T O P S E C R E T

25X1

END OF MESSAGE